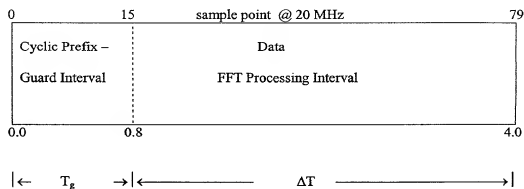


a.) Data and Pilot Sub-Carriers



b.) OFDM Data Symbol Structure

Fig. 1 OFDM WLAN PHY Layer Data Symbols

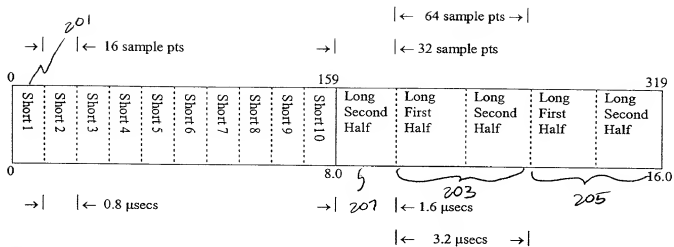


Fig. 2 OFDM WLAN Preamble Structure
(20 MHz Sample Rate)

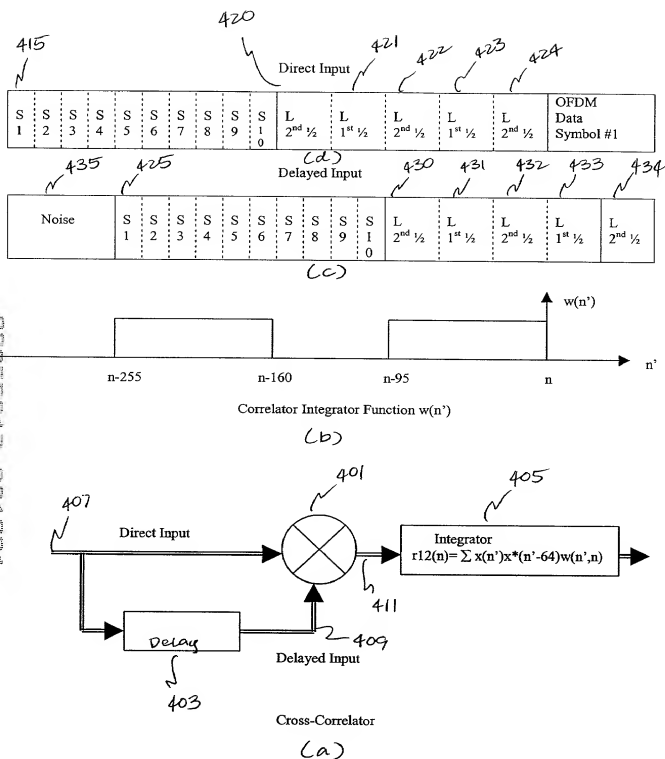


Fig. 4 Cross-correlator, preamble inputs and integrator weighting function for initial iteration of the frequency offset and timing synchronization of OFDM WLAN

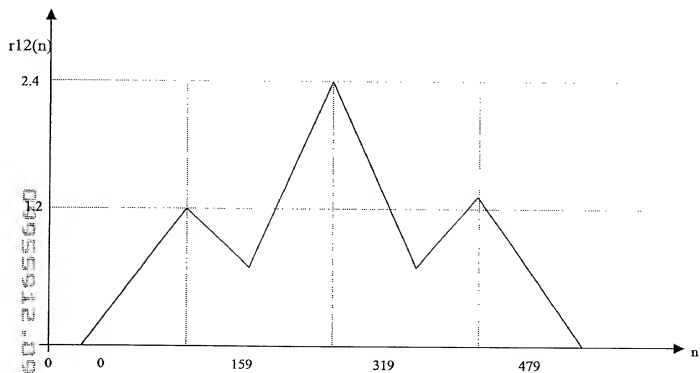


Fig. 5 Magnitude of Cross-Correlator Output versus preamble sample point number

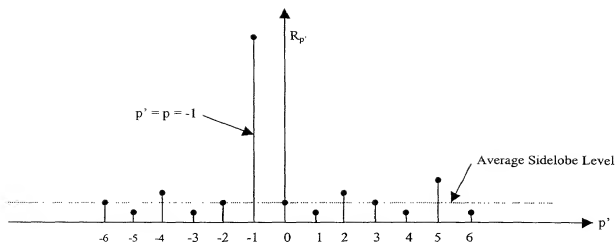


Fig. 7 Correlation between interpolated and actual odd frequency channel estimates for integer frequency offset $p = -1$

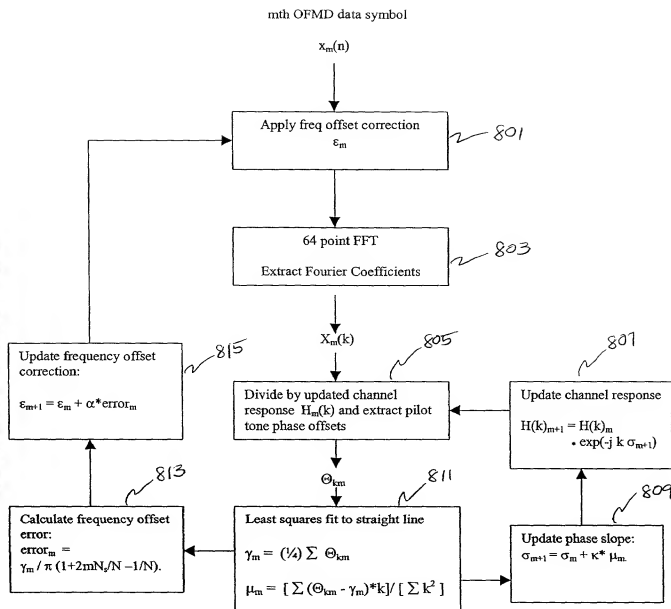


Fig. 8 Pilot tone tracking loop